

Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P20938Serial No.  
09/842,234INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

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Applicant  
K. NAKAYAMA et al.Filing Date  
April 26, 2001Group  
1624

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DR	4 7 7 7 2 5 2	10/11/88	SLUSARCHYK et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
DR	0 2 0 8 7 5 8 9	11/07/02	W.I.P.O.			
	0 1 / 3 0 7 5 7	05/03/01	W.I.P.O.			
200	2 - 1 2 8 7 6 8	05/09/02	JAPAN			
	5 4 1 4 4 3 9 7	11/10/79	JAPAN			
200	0 - 2 2 4 9 9 8	08/15/00	JAPAN			
	6 1 0 9 2 5 9 7	05/10/86	JAPAN			
	9 8 / 1 7 6 2 5	04/30/98	W.I.P.O.			
	9 6 / 3 3 2 8 5	10/24/96	W.I.P.O.			
↓	1 - 2 2 7 0 8 4	07/31/02	E.P.O.			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DR	1	English Language Abstract of JP 2002-128768, 2002
DR	2	Sadao Nishigaki et al., Chemical Pharm. Bulletin, 1975, Vol. 23, pages 3170-3177.
DR	3	English Language Abstract of JP 2002-224998, 2000
DR	4	English Language Abstract of JP 61-092597, 1986
DR	5	Biseibutsugaku Handbook Henshu linkai Hen, Biseibutsugaku Handbook, Kabushiki Kaisha Gihodo, 25 December 1957 (25.12.57), pages 1230-1233.

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*Chunick Koy*

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<i>DR</i>		3 9 0 7 8 0 8	09/23/75	LESHER et al.			
		3 7 5 3 9 9 3	08/21/73	LESHER et al.			
		4 9 9 2 4 3 4	02/12/91	TÖPFL et al.			
		5 1 3 5 9 2 7	08/04/92	TÖPFL et al.			
		4 4 0 4 2 0 7	09/13/83	STERN			
		4 6 6 5 0 7 9	05/12/87	CULBERTON et al.			
		4 7 7 7 1 7 5	10/11/88	CULBERTON et al.			
		5 2 8 1 6 1 2	01/25/94	DOMAGALA et al.			
		4 6 3 8 0 6 7	01/20/87	CULBERTON et al.			
		4 7 7 1 0 5 4	09/13/88	DAMAGALA et al.			
		5 3 6 8 7 7 1	11/20/94	NAMEKAWA et al.			
		5 4 4 3 7 5 5	08/22/95	NAMEKAWA et al.			
		4 0 1 3 6 4 7	03/22/77	SELLSTEDT et al.			
		4 1 1 6 9 6 0	09/26/78	SELLSTEDT et al.			
		4 0 5 7 6 3 2	11/08/77	SELLSTEDT et al.			
		4 1 2 9 7 3 5	12/12/78	SELLSTEDT et al.			
2002	/	0 0 4 9 2 3 5	04/25/02	KAWAI et al.			
		4 1 2 3 4 3 2	10/31/78	SELLSTEDT et al.			
		5 2 0 6 2 3 5	04/27/93	FISHER et al.			
		5 3 1 0 7 3 7	05/10/94	FISHER et al.			
		5 6 7 7 3 1 9	10/14/97	CHIIHIRO et al.			
		5 6 4 3 9 3 2	07/01/97	CHIIHIRO et al.			
		6 0 8 0 7 6 4	06/27/00	CHIIHIRO et al.			
		R e 3 7 5 5 6	02/19/02	CHIIHIRO et al.			
		6 4 3 6 9 8 0	08/20/02	LEGER et al.			
		6 1 1 4 3 1 0	09/05/00	CHAMBERLAND et al.			
		6 2 4 5 7 4 6	06/12/01	CHAMBERLAND et al.			

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	3 8 7 0 7 1 2	03/11/75	HOLMES			
	5 5 1 2 5 8 1	04/30/96	BROOKS et al.			
	5 9 8 1 5 5 9	11/09/99	NAGAOKA et al.			
	4 8 9 1 4 2 8	01/02/90	NORDHOFF et al.			
	5 9 3 5 9 7 7	08/10/99	YAMAZAKI et al.			
	4 9 0 2 7 0 0	02/20/90	HAYASI et al.			
	5 2 7 3 9 8 6	12/28/93	HOLLAND et al.			
	6 2 5 5 3 2 1	07/03/01	ICHIKAWA et al.			
	6 3 7 6 6 7 1	04/23/02	ICHIKAWA et al.			
	5 5 0 8 4 0 8	04/16/96	SPRECHER et al.			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 2 7 9 2 3 9	08/24/88	E.P.O.			
3 4 1 7 8 4 0	11/22/84	GERMANY			
0 5 9 4 8 6 1	05/04/94	E.P.O.			
9 8 / 0 2 4 3 0	01/22/98	W.I.P.O.			
3 - 2 0 7 7 8 9	09/11/91	JAPAN			
2 - 2 1 9 8 9 2	09/03/90	JAPAN			
5 - 4 3 8 7 8	02/23/93	JAPAN			
0 5 1 3 9 7 4	11/19/92	E.P.O.			
0 5 1 3 3 8 7	11/19/92	E.P.O.			
1 0 3 1 0 5 7 8	11/24/98	JAPAN			
9 9 / 3 7 6 6 7	07/29/99	W.I.P.O.			

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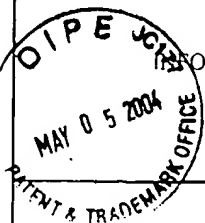
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
1	1	English Language Abstract of JP 3-207789, 1991			
2	2	English Language Abstract of JP 2-219892, 1990.			
3	3	English Language Abstract of JP 5-43878, 1993.			
4	4	English Language Abstract of JP 10-310578, 1998.			
5	5	English Language Abstract of JP 62-142168, 1987.			
6	6	English Language Abstract of JP 10-195063, 1998.			
7	7	English Language Abstract of JP 61-246188, 1986.			
8	8	English Language Abstract of JP 62-12760, 1987.			
9	9	English Language Abstract of JP 60-197686, 1985.			
10	10	S. NISHIGAKI et al., Chem. Pharm. Bull. 1969, Vol. 17, No. 9, pp. 1827-1831.			
11	11	X.-A. LI et al., Antimicrob. Agents Chemother., 1994, Vol. 38, No. 8, pp. 1732-1741.			
12	12	J. GREENE et al., J. Chem. Inf. Comput. Sci., 1994, No. 34, pp. 1297-1308.			
13	13	J.-P. CHUPP et al., J. Heterocycl. Chem., 1989, Vol. 26, No. 6, pp. 1771-1780.			
14	14	D. DeJOHN et al., J. Heterocycl. Chem., 1983, Vol. 20, pp. 1295-1302.			
15	15	Chemical Abstracts, Vol. 115, 1991, abstract No. 105447 of Khim.-Farm. Zh., 25(5), pp. 55-58, 1991.			
16	16	Chemical Abstracts, Vol. 92, 1980, abstract No. 157718 of Vses. Nauchn. Konf. Khim. Tekhnol. Furanovyykh Soedin., [Tezisky Dokl.], 3 <sup>rd</sup> , pp. 97-98, 1978.			
17	17	Chemical Abstracts, Vol. 72, 1970, abstract No. 111193 of Khim.-Farm. Zh., 4(1), pp. 24-26, 1970.			
18	18	Chemical Abstracts, Vol. 66, 1967, abstract No. 75885 of Yakugaku Zasshi, 86(11), pp. 1014-21, 1966.			
19	19	Chemical Abstracts, Vol. 108, 1988, abstract No. 142146 of Inorg. Chem., 27(7), pp. 1167-73, 1988.			
20	20	Chemical Abstracts, Vol. 106, 1987, abstract No. 196227 of Tap Chi Hoa Hoc, 23(5), pp. 9-11, 1985.			
21	21	Chemical Abstracts, Vol. 103, 1985, abstract No. 87754 of Yiyao Gongye, 16(2), pp. 66-8, 91, 1985.			
22	22	Chemical Abstracts, Vol. 100, 1984, abstract No. 138915 of Khim. Geterotsikl. Soedin. (11), pp. 1521-3, 1983.			
23	23	Chemical Abstracts, Vol. 92, 1980, abstract No. 128023 of Khim. Geterotsikl. Soedin. (9), pp. 1194-200, 1979.			
24	24	Chemical Abstracts, Vol. 89, 1978, abstract No. 109013 of Tezisy Dokl. - Resp. Konf. Molodykh Uch.-Khim., 2nd, Volume 1, pp. 14-15, 1977.			
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